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Amendments to the Specification

Pursuant to 37 C.F.R. § 1.121(b)(3), please replace the specification presently on record with the substitute specification provided herewith. Also being submitted concurrently is a marked up copy of the specification pursuant to 37 C.F.R. §1.125(c), showing all revisions to the specification relative to the immediate prior version

The substitute specification differs from the immediate prior version in that section headings have been added for title, cross reference to related applications, background of invention, field of invention, description of related art, brief summary of invention, brief description of the drawings, detailed description of the invention, claims and abstract of the invention.

The following paragraph was previously added by the Preliminary Amendment (filed3/30/05).

This application is the U.S. National Stage of International Application No. PCT/EP2003/010904, filed October 2, 2003, published in German, and claims priority under 35 U.S.C. § 119 or 365 to German Application No. 102 46 373.5, filed October 4, 2002

The following paragraph was added on page 8, line 3 of WO 04/034499:
Figure 1 is a graph showing the conductivity of the membrane produced in Example 1 as a function of temperature

All references to US patents were put in the format "US x.xxx,xxx."

On page 10, line 7: the sentence was change to add the word "and" before "p", and replace the word "and" after the number 1 with "then."

The formulae on page 19 were labeled with "(I)", "(II)", "(III)" and "(IV)."

The word "indices" on page 29, line 2 was replaced with the word "variables."

On page 34, lines 11-16, the citations were reformatted to be of the general form: "first author, et al., *title of article*, publication (year) volume(number), page(s)."

On page 35, line 31, and on page 36, line 2, "s" was replaced with "seconds."

All other changes were minor grammatical, stylistic, or formatting corrections.